

WE CLAIM:

1. A network hub for controlling connection between a server and a plurality of work stations in a local-area network via network lines thereof, said network hub comprising:

a housing;

a rectifying and voltage-regulating circuit mounted in said housing and adapted to output a power signal;

an input port module mounted on said housing and adapted to be connected to the server for transmitting a command therefrom;

a signal processing circuit coupled electrically to said rectifying and voltage-regulating circuit for receiving the power signal therefrom, said signal processing circuit being further coupled electrically to said input port module for receiving the command transmitted via said input port module and being operable so as to output control signals corresponding to the command from the server; and

an output port module coupled electrically to said signal processing circuit, said output port module having a plurality of switching circuits mounted in said housing, and a plurality of connecting ports mounted on said housing and coupled electrically to said switching circuits, respectively, each of said connecting ports being adapted to be connected to a corresponding one of the work stations via the network

lines, each of the control signals outputted by said signal processing circuit being received by a respective one of said switching circuits so as to control conduction or cut-off thereof.

5 2. The network hub of Claim 1, wherein said output port module further has a switch coupled electrically to each of said switching circuits so as to control conduction and cut-off thereof independently of the control signals from said signal processing circuit.

10 3. The network hub of Claim 1, further comprising a signal enhancing circuit mounted in said housing and interconnecting electrically said signal processing circuit and said output port module for enhancing the control signals outputted by said signal processing circuit.
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